

IN THE CLAIMS:

Please cancel Claims 25 and 64, without prejudice to or disclaimer of the subject matter thereof, and amend the remaining claims as follows:

(The marked up version with markings to show changes made in the claims is attached.)

3. (Amended) Apparatus as claimed in Claim 1, wherein said second location area is remote from said area.

4. (Amended) Apparatus as claimed in Claim 1, wherein said area is proximate to a human ear.

5. (Amended) Apparatus as claimed in Claim 1, wherein said transducer is human skin.

7. (Amended) Apparatus as claimed in Claim 5, wherein said transducer includes pressure sensitive paint.

8. (Amended) Apparatus as claimed in Claim 1, wherein said transducer is a sensor.

a4 11. (Amended) Apparatus as claimed in Claim 1, wherein said measuring device is an optical device.

a5 16. (Amended) Apparatus as claimed in Claim 1, wherein said apparatus further comprising a tracking device arranged to search for said transducer, to acquire a location of said transducer, and to track said location of said transducer, said tracking device being further arranged to communicate said location of said transducer to said measuring device.

18. (Amended) Apparatus as claimed in Claim 16, wherein said tracking device is a video tracking device.

a6 19. (Amended) Apparatus as claimed in Claim 1, wherein said apparatus further comprising a further measuring device disposed remote from said area and arranged to measure background noise proximate to said area, said background noise being communicated to said sound cancellation device to facilitate reducing the amount of noise audible in said area.

a7 21. (Amended) Apparatus as claimed in Claim 1, wherein said apparatus further comprising a filter disposed between said measuring device and said cancellation device and arranged to

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pass a range of frequencies, thereby enabling said apparatus to cancel noise based on a frequency of said noise.

22. (Amended) Apparatus as claimed in Claim 1, wherein said area is in a vehicle.

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said transducer includes pressure sensitive paint.

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said transducer is human skin.

31. (Amended) Apparatus according to Claim 29, wherein the skin forms part of the ear of the observer.

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said optical device is an interferometer.

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38. (Amended) Apparatus according to Claim 35, wherein the transducer comprises a sensor embedded in an item of jewelry for wearing on the ear of the observer.

39. (Amended) An item of jewelry, for wearing on or proximate the ear, comprising a transducer for use in a system according to Claim 26.

40. (Amended) Apparatus, or an item of jewelry according to claim 38, wherein the item of jewelry is in the form of an earring.

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41. (Amended) Apparatus as claimed in claim 26, wherein said apparatus further comprises a filter disposed between said measuring device and said cancellation device and arranged to pass a range of frequencies, thereby enabling said apparatus to cancel noise sound based on a frequency of said noise.

42. (Amended) Apparatus as claimed in claim 26, wherein said apparatus further comprising a tracking device arranged to search for said transducer, to acquire a location of said transducer, and to track said location of said transducer, said tracking device being further arranged to communicate said location of said transducer to said measuring device.

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44. (Amended) Apparatus as claimed in claim 42, wherein said tracking device is a video tracking device.

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45. (Amended) Apparatus as claimed in claim 25, wherein said apparatus further comprises a further measuring device disposed remote from said area and arranged to measure background noise proximate to said area, said background noise being communicated to said sound cancellation device to facilitate reducing the amount of noise audible in said area.

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49. (Amended) A method as claimed in Claim 47, wherein said reflection comprises reflection from pressure sensitive paint.

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51. (Amended) A method as claimed in Claim 47, wherein human skin is used as the transducer.

52. (Amended) A method according to Claim 50 wherein the skin of the ear of the observer is used as the transducer.

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54. (Amended) A method as claimed in Claim 47, wherein the light is measured in an interferometer.

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59. (Amended) A method according to Claim 56, wherein the transducer is embedded in an item of jewelry for wearing on the ear of the observer.

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60. (Amended) A method as claimed in Claim 47, further comprising filtering between a measuring device and said cancellation device to pass a range of frequencies, thereby enabling said apparatus to cancel noise sound based on a frequency of said noise.

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61. (Amended) Apparatus as claimed in claim 47, further comprising tracking by searching for said transducer, acquiring a location of said transducer, tracking said location of said transducer, and communicating said location of said transducer to said measuring device.

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63. (Amended) A method as claimed in Claim 47, comprising the further step of measuring background sound remote to said area, and using said measurement of background sound to facilitate the reducing the amount of noise audible in said area.

(Applicant's Remarks are set forth hereinbelow, starting on the following page.)